

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P582352

Luminaire Tested: **HCC6W35D010SL-HM63040927-61WDBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582352  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W35D010SL-HM63040927-61WDBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

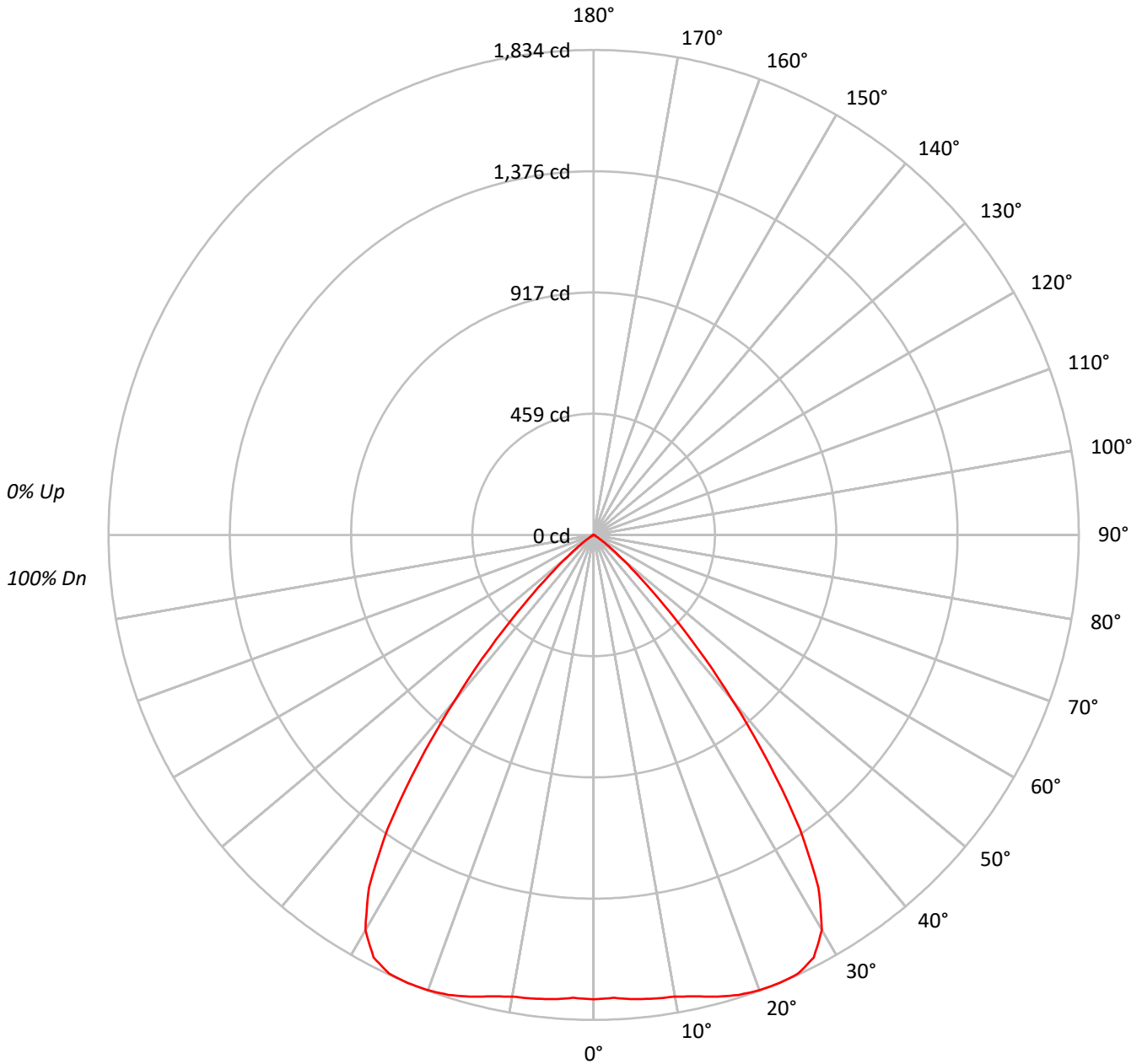
Lumens per Lamp: N/A  
Luminaire Lumens: 2711.0 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P582352  
CATALOG NUMBER: HCC6W35D010SL-HM63040927-61WDBB

### Luminous Intensity Polar Plot





TEST NUMBER: P582352

CATALOG NUMBER: HCC6W35D010SL-HM63040927-61WDBB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	85				85
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71				71
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65				65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54				54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50				50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46				46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43				43

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	96275
5°	96984
10°	98679
15°	102589
20°	106888
25°	110704
30°	109219
35°	91002
40°	58359
45°	29143
50°	11565
55°	3928
60°	1129
65°	804
70°	657
75°	868
80°	663
85°	0



TEST NUMBER: P582352  
 CATALOG NUMBER: HCC6W35D010SL-HM63040927-61WDBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.5	6.2
10°-20°	512.7	18.9
20°-30°	837.1	30.9
30°-40°	820.6	30.3
40°-50°	314.6	11.6
50°-60°	46.2	1.7
60°-70°	6.9	0.3
70°-80°	3.5	0.1
80°-90°	0.9	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1518.3	56.0
0°-40°	2338.9	86.3
0°-60°	2699.7	99.6
0°-90°	2711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2711.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1756	
5°	1762	169
15°	1808	513
25°	1830	837
35°	1360	821
45°	376	315
55°	41	46
65°	6	7
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P582352  
CATALOG NUMBER: HCC6W35D010SL-HM63040927-61WDBB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1756.2
2.5°	1752.1
5°	1762.4
7.5°	1768.6
10°	1772.7
12.5°	1787.0
15°	1807.6
17.5°	1824.0
20°	1832.2
22.5°	1834.3
25°	1830.2
27.5°	1801.4
30°	1725.4
32.5°	1581.6
35°	1359.8
37.5°	1086.6
40°	815.5
42.5°	581.3
45°	375.9
47.5°	230.0
50°	135.6
52.5°	78.1
55°	41.1
57.5°	18.4
60°	10.3
62.5°	8.2
65°	6.2
67.5°	6.2
70°	4.1
72.5°	4.1
75°	4.1
77.5°	2.1
80°	2.1
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)